

L4 ANSWER 1 OF 2 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.
(2003) on STN

AN 2002:47457 AGRICOLA

DN IND23281536

TI Resistance against **herbicide isoxaben** and cellulose deficiency caused by distinct mutations in same **cellulose synthase** isoform CESA6. ✓

AU Desprez, T.; Vernhettes, S.; Fagard, M.; Refregier, G.; Desnos, T.; Aletti, E.; Py, N.; Pelletier, S.; Hofte, H.

AV DNAL (450 P692)

SO Plant physiology, Feb 2002. Vol. 128, No. 2. p. 482-490
Publisher: Rockville, MD : American Society of Plant Physiologists, 1926-
CODEN: PLPHAY; ISSN: 0032-0889

NTE Includes references

CY Maryland; United States

DT Article; Conference

FS U.S. Imprints not USDA, Experiment or Extension

LA English

L4 ANSWER 2 OF 2 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.
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AN 2001:83623 AGRICOLA

DN IND23239703

TI Modifications of **cellulose synthase** confer resistance to **isoxaben** and thiazolidinone **herbicides** in *Arabidopsis* *Ixr1* mutants. ✓

AU Scheible, W.R.; Eshed, R.; Richmond, T.; Delmer, D.; Somerville, C.

AV DNAL (500 N21P)

SO Proceedings of the National Academy of Sciences of the United States of America, Aug 28, 2001. Vol. 98, No. 18. p. 10079-10084
Publisher: Washington, D.C. : National Academy of Sciences,
CODEN: PNASA6; ISSN: 0027-8424

NTE Includes references

CY District of Columbia; United States

DT Article; Conference

FS U.S. Imprints not USDA, Experiment or Extension

LA English

L3 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2002:658276 CAPLUS
DN 137:198479
TI Genes essential for early growth of *Arabidopsis thaliana* and their use in the development of novel **herbicides**
IN Plesch, Gunnar; Blau, Astrid; Daeschner, Klaus; Klein, Mathieu
PA Metanomics G.m.b.H. & Co. K.-G.a.A., Germany
SO PCT Int. Appl., 224 pp.
CODEN: PIXXD2

DT Patent
LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002066660	A2	20020829	WO 2002-EP1466	20020213
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	DE 10107843	A1	20021017	DE 2001-10107843	20010216
	DE 10125537	A1	20030424	DE 2001-10125537	20010523
PRAI	DE 2001-10107843	A	20010216		
	DE 2001-10125537	A	20010523		

L3 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2002:658781 CAPLUS
DN 137:196691

TI Cloning cDNAs encoding plant **cellulose synthases** and their potential use in improving plant stalk quality in transgenic plants or for **herbicide** development

IN Allen, Stephen M.

PA USA

SO U.S. Pat. Appl. Publ., 76 pp., Cont.-in-part of U.S. Ser. No. 720,383. CODEN: USXXCO

DT Patent
LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2002120124	A1	20020829	US 2001-900237	20010706
	WO 2000004166	A2	20000127	WO 1999-US15871	19990713
	WO 2000004166	A3	20000427		
	W: AE, AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
PRAI	US 1998-92844P	P	19980714		
	WO 1999-US15871	W	19990713		
	US 2000-720383	A2	20001221		

L3 ANSWER 3 OF 13 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.

TI Recent progress in studies on cellulose biosynthesis in plants.
AU Delmer, Deborah P.
CS Section of Plant Biology, University of California, Davis, CA, 95616, USA
SO Book of Abstracts, 219th ACS National Meeting, San Francisco, CA, March
26-30, 2000 (2000), CELL-002 Publisher: American Chemical Society,
Washington, D. C.
CODEN: 69CLAC
DT Conference; Meeting Abstract
LA English

L3 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1998:795138 CAPLUS
DN 130:62017
TI In situ modification of plant genes for improved herbicide
resistance
IN Hawkes, Timothy Robert; Greenland, Andrew James; Evans, Ian Jeffrey
PA Zeneca Limited, UK
SO PCT Int. Appl., 49 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9854330	A1	19981203	WO 1998-GB1499	19980522
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	GB 2326163	A1	19981216	GB 1998-11138	19980522
	AU 9875414	A1	19981230	AU 1998-75414	19980522
	EP 1017825	A1	20000712	EP 1998-922954	19980522
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	JP 2002503101	T2	20020129	JP 1999-500360	19980522
PRAI	GB 1997-11015	A	19970528		
	WO 1998-GB1499	W	19980522		

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1991:673290 CAPLUS
DN 115:273290
TI Strategy and methods in screening of new microbial metabolites for plant
protection
AU Omura, Satoshi; Tanaka, Toshitake
CS Res. Cent. Biol. Funct., Kitasato Inst., Tokyo, 108, Japan
SO Pestic. Chem.: Adv. Int. Res., Dev., Legis., Proc. Int. Congr. Pestic.
Chem., 7th (1991), Meeting Date 1990, 87-96. Editor(s): Frehse, Helmut.
Publisher: VCH, Weinheim, Fed. Rep. Ger.
CODEN: 57LPAA
DT Conference; General Review
LA English

L3 ANSWER 12 OF 13 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
AN 1988:99942 BIOSIS
DN BR34:46284
TI EFFECTS OF 2,6 DCB ON PLASMA MEMBRANE ROSETTES OF WHEAT ROOT CELLS.
AU HERTH W
CS ZELLENLEHRE UNIV.; D-6900 HEIDELBERG.

SO Naturwissenschaften, (1987) 74 (11), 556-557.
CODEN: NATWAY. ISSN: 0028-1042.
FS BR; OLD
LA English

L3 ANSWER 13 OF 13 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
DUPLICATE 5
AN 1987:362920 BIOSIS
DN BA84:60323
TI IDENTIFICATION OF A RECEPTOR PROTEIN IN COTTON FIBERS FOR THE
HERBICIDE 2 6 DICHLOROBENZONITRILE.
AU DELMER D P; READ S M; COPPER G
CS DEP. BOTANY, INST. LIFE SCIENCES, HEBREW UNIV., JERUSALEM, ISRAEL.
SO PLANT PHYSIOL (BETHESDA), (1987) 84 (2), 415-420.
CODEN: PLPHAY. ISSN: 0032-0889.
FS BA; OLD
LA English

=> d his

(FILE 'HOME' ENTERED AT 15:19:29 ON 22 JUL 2003)

FILE 'AGRICOLA, BIOSIS, CAPLUS, EMBASE' ENTERED AT 15:19:35 ON 22 JUL 2003
L1 543 S CELLULOSE SYNTHASE
L2 24 S L1 AND HERBICIDE
L3 13 DUP REM L2 (11 DUPLICATES REMOVED)

- (2003) on STN DUPLICATE 1
- AN 2003:35536 AGRICOLA
- DN IND23325757
- TI Dimerization of cotton fiber **cellulose synthase**
catalytic subunits occurs via oxidation of the zinc-binding domains.
- AU Kurek, I.; Kawagoe, Y.; Jacob-Wilk, D.; Doblin, M.; Delmer, D.
- AV DNAL (500 N21P)
- SO Proceedings of the National Academy of Sciences of the United States of America, Aug 20, 2002. Vol. 99, No. 17. p. 11109-11114 ✓
Publisher: Washington, D.C. : National Academy of Sciences,
CODEN: PNASA6; ISSN: 0027-8424
- NTE Includes references
- CY District of Columbia; United States
- DT Article; Conference
- FS U.S. Imprints not USDA, Experiment or Extension
- LA English
- L3 ANSWER 4 OF 13 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.
(2003) on STN DUPLICATE 2
- AN 2002:47457 AGRICOLA
- DN IND23281536
- TI Resistance against **herbicide** isoxaben and cellulose deficiency caused by distinct mutations in same **cellulose synthase** isoform CESA6.
- AU Desprez, T.; Vernhettes, S.; Fagard, M.; Refregier, G.; Desnos, T.; Aletti, E.; Py, N.; Pelletier, S.; Hofte, H.
- AV DNAL (450 P692)
- SO Plant physiology, Feb 2002. Vol. 128, No. 2. p. 482-490 ✓
Publisher: Rockville, MD : American Society of Plant Physiologists, 1926-
CODEN: PLPHAY; ISSN: 0032-0889
- NTE Includes references
- CY Maryland; United States
- DT Article; Conference
- FS U.S. Imprints not USDA, Experiment or Extension
- LA English
- L3 ANSWER 5 OF 13 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.
(2003) on STN DUPLICATE 3
- AN 2001:83623 AGRICOLA
- DN IND23239703
- TI Modifications of **cellulose synthase** confer resistance to isoxaben and thiazolidinone **herbicides** in *Arabidopsis* *Ixr1* mutants.
- AU Scheible, W.R.; Eshed, R.; Richmond, T.; Delmer, D.; Somerville, C.
- AV DNAL (500 N21P)
- SO Proceedings of the National Academy of Sciences of the United States of America, Aug 28, 2001. Vol. 98, No. 18. p. 10079-10084 ✓
Publisher: Washington, D.C. : National Academy of Sciences, ✓
CODEN: PNASA6; ISSN: 0027-8424
- NTE Includes references
- CY District of Columbia; United States
- DT Article; Conference
- FS U.S. Imprints not USDA, Experiment or Extension
- LA English
- L3 ANSWER 6 OF 13 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.
(2003) on STN DUPLICATE 4
- AN 2002:9276 AGRICOLA

DN IND23249628
TI The experimental herbicide CGA 325'615 inhibits synthesis of crystalline cellulose and causes accumulation of non-crystalline beta-1,4-glucan associated with CesA protein.
AU Peng, L.; Xiang, F.; Roberts, E.; Kawagoe, Y.; Greve, L.C.; Kreuz, K.; Delmer, D.P.
AV DNAL (450 P692)
SO Plant physiology, July 2001. Vol. 126, No. 3. p. 981-992
Publisher: Rockville, MD : American Society of Plant Physiologists, 1926-
CODEN: PLPHAY; ISSN: 0032-0889
NTE Includes references
CY Maryland; United States
DT Article; Conference
FS U.S. Imprints not USDA, Experiment or Extension
LA English

L3 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2001:197944 CAPLUS
TI CesA genes and their role in cellulose synthesis
AU Delmer, Deborah P.; Peng, Liancai; Doblin, Monika; Hogan, Pat; Jacob-Wilk, Debbie; Eshed, Ravit
CS Section of Plant Biology, University of California Davis, Davis, CA, 95616, USA
SO Abstracts of Papers - American Chemical Society (2001), 221st, CELL-106
CODEN: ACSRAL; ISSN: 0065-7727
PB American Chemical Society
DT Journal; Meeting Abstract
LA English

L3 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2000:824429 CAPLUS
DN 133:359795
TI The rice actin 2 promoter and intron and their use for plant transformation
IN McElroy, David; Wu, Ray
PA Dekalb Genetics Corporation, USA; Cornell Research Foundation, Inc.
SO PCT Int. Appl., 180 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2000070067	A1	20001123	WO 2000-US13303	20000512
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
US 6429357	B1	20020806	US 1999-312304	19990514
EP 1179081	A1	20020213	EP 2000-942636	20000512
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
PRAI US 1999-312304	A1	19990514		
WO 2000-US13303	W	20000512		

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2000:327860 CAPLUS

1,4,5

L10 ANSWER 1 OF 5 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2003) on STN

AN 2002:62357 AGRICOLA

DN IND23290379

TI Plant callose synthase complexes.

AU Verma, D.P.S.; Hong, Z.

AV DNAL (QK710.P62)

SO Plant molecular biology, Dec 2001. Vol. 47, No. 6. p. 693-701
Publisher: Dordrecht : Kluwer Academic Publishers.

CODEN: PMBIDB; ISSN: 0167-4412

NTE Includes references

CY Netherlands

DT Article; Law

FS Non-U.S. Imprint other than FAO

LA English

L10 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN

AN 2001:197920 CAPLUS

TI Cellulose structure and biosynthesis: New insights

AU Brown, R. Malcolm, Jr.

CS Section of Molecular Genetics and Microbiology, The University of Texas at Austin, Austin, TX, 78712, USA

SO Abstracts of Papers - American Chemical Society (2001), 221st, CELL-083
CODEN: ACSRAL; ISSN: 0065-7727

PB American Chemical Society

DT Journal; Meeting Abstract

LA English

L10 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN

AN 1998:288438 CAPLUS

DN 129:27021

TI Plant cell walls are targets for biotechnology

AU Chapple, Clint; Carpita, Nick

CS Department of Biochemistry, Purdue University, West Lafayette, IN, 47907,
USA

SO Current Opinion in Plant Biology (1998), 1(2), 179-185

CODEN: COPBFZ; ISSN: 1369-5266

PB Current Biology Ltd.

DT Journal; General Review

LA English

RE.CNT 52 THERE ARE 52 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

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(FILE 'HOME' ENTERED AT 15:19:29 ON 22 JUL 2003)

FILE 'AGRICOLA, BIOSIS, CAPLUS, EMBASE' ENTERED AT 15:19:35 ON 22 JUL 2003

L1 543 S CELLULOSE SYNTHASE

L2 24 S L1 AND HERBICIDE

L3 13 DUP REM L2 (11 DUPLICATES REMOVED)

L4 2 S L3 AND ISOXABEN

L5 7 S L1 AND (ISOXABEN OR THIAZOLIDINONE)

L6 2 DUP REM L5 (5 DUPLICATES REMOVED)

L7 59 S L1 AND REVIEW

L8 48 DUP REM L7 (11 DUPLICATES REMOVED)

L9 0 S L8 AND TRANSGENE

L10 5 S L8 AND TRANSGEN#####